

Patent Abstracts of Japan

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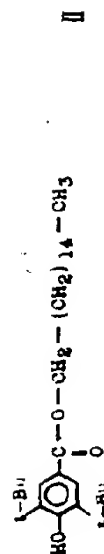
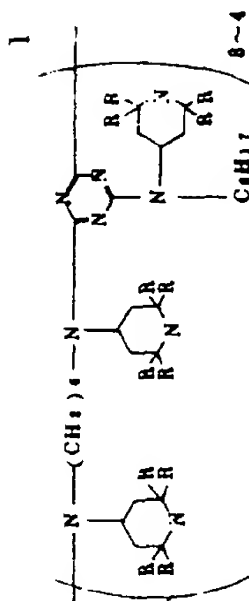
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APPLICANT : SUMITOMO CHEM CO LTD:

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TITLE : STABILIZATION OF POLYOLEFIN
AGAINST PHOTODETERIORATION



ABSTRACT : PURPOSE: To impart a polyolefin with superior stability against photodeterioration to the one obtained by the conventional amine stabilizers by compounding a polyolefin with a specific high molecular triazine derivative together with a butylbenzoic acid derivative.

CONSTITUTION: A compound of formula I (R is methyl) and 3,5-di-t-butyl-4-hydroxy-benzoic acid n-hexadecyl ester of formula II are added as stabilizing agents to a polyolefin. The total amount of the agents is 0.1~3.0wt%, pref. 0.2~2.0wt% of the polyolefin. The combined use of the stabilizing agents assures the synergistic effect. The compound of formula I can be obtained by reacting 2,2,6,6-tetramethyl-4-n-octylamino-piperidine with a reaction product of cyanuric chloride and 1,6-bis (2,2,6,6-tetramethyl-1-4-piperidyl-amino)hexane.

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